

Incites into Citation Linking using the OAI-PMH

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Content

1. A model for IR citation linking
2. Citebase Search support for references in OAI

Example Record

- <metadata>
 - <dc:title>Small World Theories
 - <dc:creator>Amanda Huggenkis
 - <dc:identifier><http://myir.org/23/>
 - <dc:identifier>http://myir.org/openurl?url_ver=Z39.88-2004&rft_id=oai:myir.org:23&...
 - <dc:relation>http://myir.org/openurl?url_ver=Z39.88-2004&rft_id=doi:5334/91:42&...

Example Record cont.

- OpenURL encoded reference
 - <identifier> = unambiguous reference to the resource
- OpenURL encoded citations
 - <relation> = a reference to a related resource
 - (in qualified d.c. relation.references)

Example IR Resolver Requests

- *Huggenkis, A (2003) "Small World Theories" J.THEO.PHIL. 4(2) 56-64*
- http://myir.org/openurl?url_ver=Z39.88-2004&rft_id=oai:myir:23
- http://myir.org/openurl?url_ver=Z39.88-2004&...&aulast=Huggenkis&jtitle=J.THEO.PHIL&pages=56-64

Why OpenURL Links?

- Simple case:
 - Identifier resolution (rft_id=?)
- (More) persistent/robust URL for linking
 - Recover broken links by
 - querying alternative resolver
 - general Web query for bibliographic data
- Type-of-service requests
 - Abstract jump-off page, full-text, SIP etc.

Scenario #1

- OpenURL-enabled IR
- Dublin-Core Service Provider
- Non-OpenURL user

Scenario #1 cont.

Small World Theories

Amanda Huggenkis

Full record: <http://myir.org/23/>

http://myir.org/openurl?url_ver=Z39.88-2004&rft_id=oai:myir.org:23

Relation: http://myir.org/openurl?url_ver=Z39.88-2004&rft_id=doi:5334/91:42

dc:relation rendered as a normal link,
which *myir* may be able to resolve, or
provide a redirect to public resolver

dc:identifier rendered as a normal
link, and will be (correctly)
resolved by *myir*

Scenario #2

- OpenURL-enabled IR
- OpenURL-aware Service Provider
- Non-OpenURL user

Scenario #2 cont.

Small World Theories

Amanda Huggenkis

Full record: <http://myir.org/23/>

http://myir.org/openurl?url_ver=Z39.88-2004&rft_id=oai:myir.org:23

Relation: http://openurl.xyz.edu?url_ver=Z39.88-2004&rft_id=doi:5334/91:42

dc:relation is **rewritten** to point at the user's institutional OpenURL resolver

dc:identifier rendered as a normal link, and will be (correctly) resolved by *myir*

Scenario #3

- OpenURL-enabled IR
- OpenURL-aware Citation Database
- COinS-enabled user
 - (Experimental OpenURL support through browser-plugins/hidden 'latent' links)

Scenario #3 cont.

Small World Theories

Amanda Huggenkis

Full record: <http://myir.org/23/>

http://openurl.xyz.edu?url_ver=Z39.88-2004&rft_id=oai:myir.org:23

References:

Doe, John (2001) "*Making Links with Other People*" [Full-text]

Or, query your OpenURL resolver:

http://openurl.xyz.edu?url_ver=Z39.88-2004&rft_id=doi:5334/91:42

Personal OpenURL Link

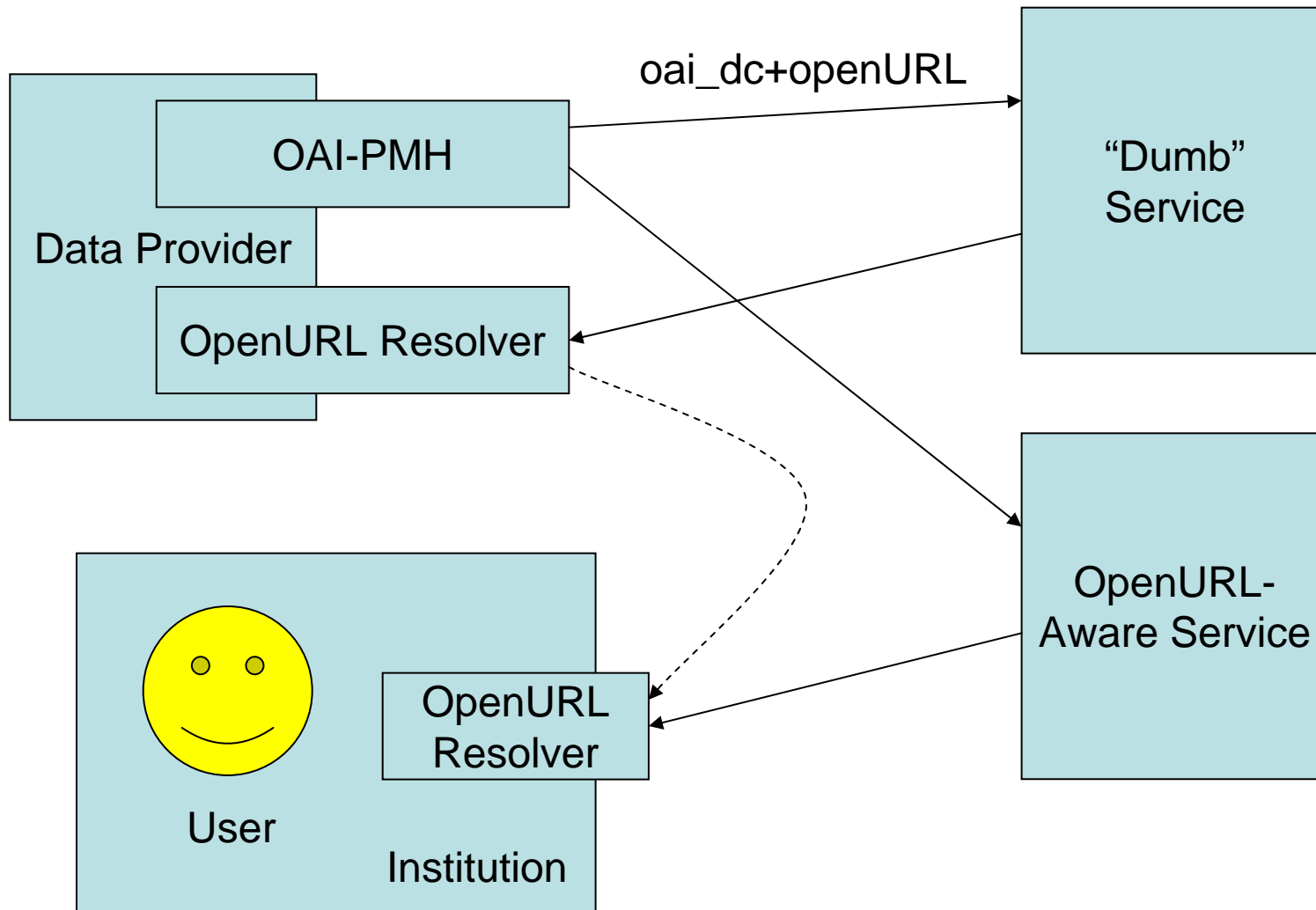
Service provided
reference &
full-text link

dc:relation is modified
to point at the user's
institutional OpenURL
resolver

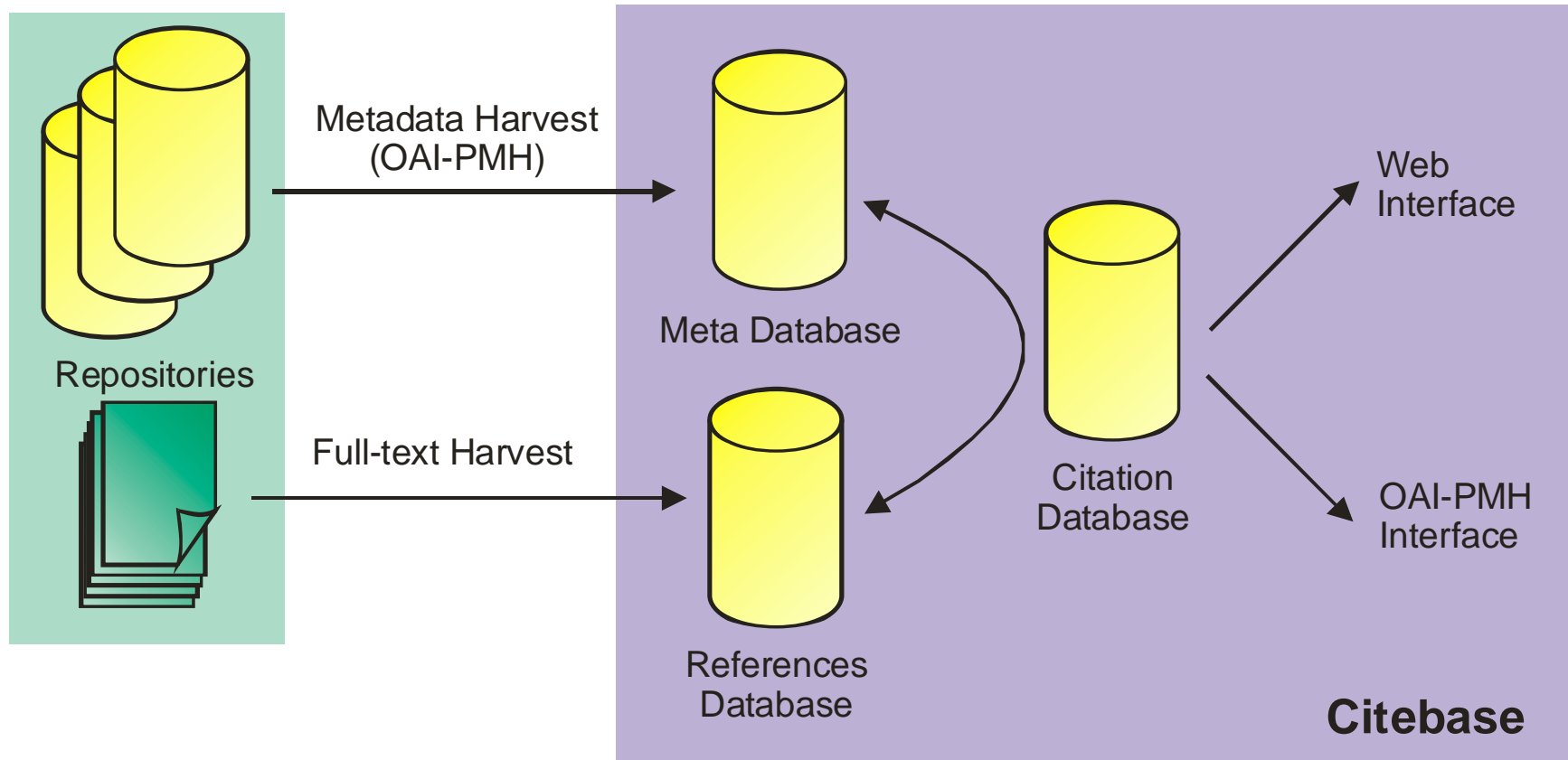
dc:identifier could be redirected
to the user's institutional resolver

Personal OpenURL resolver link (inserted by browser plug-in)

Model Summary



Citebase Search



Citebase-harvested References

Citebase - Precanonical quantization of Yang-Mills fields and the functional Schroedinger representation - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://www.citebase.org/cgi-bin/citations?id=oai:arXiv.org:hep-th/0301001

Getting Started Latest Headlines

This Record's Reference List (explain?)

> Top #Reference List #Cited By #Co-Cited All Citations All Co-Citations

- [eprint](#) [1] M.J. Gotay, J. Isenberg and J. Marsden, Momentum maps and classical relativistic fields, Part I: Covariant field theory, physics/9801019 (and the references therein).
- [eprint](#) [2] I.V. Kanatchikov, Canonical structure of classical field theory in the polymomentum phase space, Rep. Math. Phys. 41 (1998) 49-90, hep-th/9709229.
- [eprint](#) [3] I.V. Kanatchikov, On field theoretic generalizations of a Poisson algebra, Rep. Math. Phys. 40 (1997) 225-34, hep-th/9710069.
- [eprint](#) [4] M. Forger, C. Paufler, H. Römer, The Poisson bracket for Poisson forms in multisymplectic field theory, Rev. Math. Phys. 15 (2003) No. 7, hep-th/0202043.
- [eprint](#) [5] A. Echeverra-Enriquez, M.C. Muñoz-Lecanda and N. Roman-Roy, Geometry of multisymplectic Hamiltonian first-order field theories, J. Math. Phys. 41 (2000) 7402-44, math-ph/0004005.
- [G/A](#) [6] G. Giachetta, L. Mangiarotti and G. Sardanashvily, New Lagrangian and Hamiltonian Methods in Field Theory, World Scientific, Singapore 1997.
- [G/A](#) [7] L.K. Norris, n-symplectic algebra of observables in covariant Lagrangian field theory, J. Math. Phys. 42 (2001) 4827-4845.
- [eprint](#) [8] M. de León, M. McLean, L. K. Norris, A. Rey-Roca, M. Salgado, Geometric structures in field theory, math-ph/0208036 (and the references therein).
- [eprint](#) [9] F. Hélein, J. Kounine, Covariant Hamiltonian formalism for the calculus of variations with several variables, math-ph/0211046.
- [G/A](#) [10] Th. De Donder, Théorie Invariantive du Calcul des Variations, Gauthier-Villars, Paris (1935); H. Weyl, Geodesic fields in the calculus of variations, Ann. Math. (2) 36, 607-29 (1935)
- [G/A](#) H. Rund, "The Hamilton-Jacobi Theory in the Calculus of Variations", D. van Nostrand, Toronto (1966).
- [eprint](#) [11] I.V. Kanatchikov, Toward the Born-Weyl quantization of fields, Int. J. Theor. Phys. 37 (1998) 333-42, quant-ph/9712058.
- [eprint](#) [12] I.V. Kanatchikov, De Donder-Weyl theory and a hypercomplex extension of quantum mechanics to field theory, Rep. Math. Phys. 43 (1999) 157-70, hep-th/9810165.
- [eprint](#) [13] I.V. Kanatchikov, On quantization of field theories in polymomentum variables, in: Particles, Fields and Gravitation, (Proc. Int. Conf. L

Done

References in D.C.

GetRecord Response - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://www.citebase.org/cgi-bin/oai2?verb=GetRecord&identifier=oai:arXiv.org:hep-th/0301001&metadataPr

Getting Started Latest Headlines

oai_dc	http://www.openarchives.org/OAI/2.0/oai_dc.xsd
dc:identifier	http://citebase.eprints.org/cgi-bin/openURL?url_ver=Z39.88-2004&rft_id=info%3Aid%2Fcitebase.org&rft_id=oai%3AarXiv.org%3Ahep-th/0301001
dc:relation	http://citebase.eprints.org/cgi-bin/openURL?url_ver=Z39.88-2004&rft_id=info%3Aid%2Fcitebase.org&rft_id=oai%3AarXiv.org%3Ahep-th/0301001
dc:relation	http://citebase.eprints.org/cgi-bin/openURL?url_ver=Z39.88-2004&rft_id=info%3Aid%2Fcitebase.org&rft_id=oai%3AarXiv.org%3Ahep-th/0301001
dc:relation	http://citebase.eprints.org/cgi-bin/openURL?url_ver=Z39.88-2004&rft_id=info%3Aid%2Fcitebase.org&rft_id=oai%3AarXiv.org%3Ahep-th/0301001
dc:relation	http://citebase.eprints.org/cgi-bin/openURL?url_ver=Z39.88-2004&rft_id=info%3Aid%2Fcitebase.org&rft_id=oai%3AarXiv.org%3Ahep-th/0301001
dc:relation	http://citebase.eprints.org/cgi-bin/openURL?url_ver=Z39.88-2004&rft_id=info%3Aid%2Fcitebase.org&rft_val_fmt=info%3Aofi%2Ffmt%3Aorg%3Aetd%3Aetd%3Ahep-th
dc:relation	http://citebase.eprints.org/cgi-bin/openURL?url_ver=Z39.88-2004&rft_id=info%3Aid%2Fcitebase.org&rft_val_fmt=info%3Aofi%2Ffmt%3Aorg%3Aetd%3Aetd%3Ahep-th
dc:relation	http://citebase.eprints.org/cgi-bin/openURL?url_ver=Z39.88-2004&rft_id=info%3Aid%2Fcitebase.org&rft_id=oai%3AarXiv.org%3Ahep-th/0301001
dc:relation	http://citebase.eprints.org/cgi-bin/openURL?url_ver=Z39.88-2004&rft_id=info%3Aid%2Fcitebase.org&rft_id=oai%3AarXiv.org%3Ahep-th/0301001
dc:relation	http://citebase.eprints.org/cgi-bin/openURL?url_ver=Z39.88-2004&rft_id=info%3Aid%2Fcitebase.org&rft_val_fmt=info%3Aofi%2Ffmt%3Aorg%3Aetd%3Aetd%3Ahep-th
dc:relation	http://citebase.eprints.org/cgi-bin/openURL?url_ver=Z39.88-2004&rft_id=info%3Aid%2Fcitebase.org&rft_val_fmt=info%3Aofi%2Ffmt%3Aorg%3Aetd%3Aetd%3Ahep-th
dc:relation	http://citebase.eprints.org/cgi-bin/openURL?url_ver=Z39.88-2004&rft_id=info%3Aid%2Fcitebase.org&rft_id=oai%3AarXiv.org%3Ahep-th/0301001
dc:relation	http://citebase.eprints.org/cgi-bin/openURL?url_ver=Z39.88-2004&rft_id=info%3Aid%2Fcitebase.org&rft_id=oai%3AarXiv.org%3Ahep-th/0301001

Done

More Information ...

- Citebase Search
 - <http://www.citebase.org/>
- NISO OpenURL
 - <http://library.caltech.edu/openurl/>
- DC Citation
 - <http://dublincore.org/groups/citation/>

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To-Do

- Integrate Dublin Core & OpenURL ref-links
 - E.g. feed in OAIster (scenario #1)
- Integrate OpenURL support into IRs
 - Export of bibliographic data
 - Enables structured IR in-links
 - Parsing & export of references in IR s/w?